

Notice of Allowability

Application No.

09/692,043

Examiner

Wenpeng Chen

Applicant(s)

ISHIBASHI, HIDEYASU

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to After Final Amendment filed on 6/17/2004 and Supplemental After Final Amendment filed on 8.
2. ☒ The allowed claim(s) is/are 1, 3-8, 10-11, 13-14, and 17-22 (now renumbered as 1-6, 8-11, 7, 12-17, respectively).
3. ☒ The drawings filed on 20 October 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment / Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Examiner's Amendment/Statement

1. This is to respond to After Final Amendment filed on 6/17/2004 and Supplemental After Final Amendment filed on 8/18/2004.

An Advisory Action responding to only After Final Amendment filed on 6/17/2004 was prepared on 8/13/2004 and mailed on 8/26/2004. Because the Advisory Action was prepared on 8/13/2004, the Supplemental After Final Amendment filed on 8/18/2004 was not considered. This Action is to remedy the above problem.

2. Applicant's amendments filed on 6/17/2004 and 8/18/2004 have been fully considered. They overcome the followings:

-- the objection to specification set forth in paper #3.

Examiner's Statement of Reasons for Allowance

3. Claims 2, 9, 12, and 15-16 are cancelled by the Applicant.
4. Claims 1, 3-8, 10-11, 13-14, and 17-22 (now renumbered as 1-6, 8-11, 7, 12-17, respectively) are allowed.

The following is an examiner's statement of reasons for allowance.

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a. The allowable subject matter of cancelled claims 2, 9, 12 and 15 is respectively incorporated into independent claims 1, 8, 11 and 7. The statements of reasons for allowance for Claims 1, 8, 11 and 7 are thus corresponding to those for Claims 2, 9, 12 and 15, respectively, given in paper #5.

b. The prior art fails to teach the method of Claim 17 and the apparatuses of Claim 22 which specifically comprising the following features in combination with other recited limitations:

-- wherein said optimum principal component number is *a minimum principal component number at which an absolute value of difference* between image information about a composite image that is composed of selected number of sets of said principal component vectors and said principal component images and the image information about an original image that is composed based on said multispectral image *is below a specified value or an absolute value of variation in error from said original image which is presented when said composite image is determined by sequentially including in an order of contribution those principal component vectors which make greater contribution to said multispectral image does not exceed a predetermined value.*

c. The prior art fails to teach the apparatuses of Claim 21 which specifically comprising the following features in combination with other recited limitations:

-- wherein *the compressed image data for said multispectral image are expressed* not only by said optimum principal component number of sets of said optimum principal component images and said optimum principal component vectors but *also by tile image information having information about tile numbers of said tile images, a tile position and an image size of said tile images.*

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5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wenpeng Chen whose telephone number is 703 306-2796. The examiner can normally be reached on 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K Moore can be reached on 703 308-7452. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-872-9306 for After Final communications. TC 2600's customer service number is 703-306-0377.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 305-4700.

Wenpeng Chen
Primary Examiner
Art Unit 2624

September 2, 2004


9/2/04